

Title: Novel Amylin Agonist Peptides and Uses Thereof  
Inventor: GAETA et al.  
Express Mail No. EH177877049US  
Filed: August 26, 2003  
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**FIGURE 1**

<sup>1</sup>Lys-Cys-Asn-Thr-<sup>5</sup>Ala-Thr-Cys-Ala-Thr-<sup>10</sup>Gln-Arg-Leu-Ala-  
Asn-<sup>15</sup>Phe-Leu-Val-His-Ser-<sup>20</sup>Ser-Asn-Asn-Phe-Gly-<sup>25</sup>Ala-  
Ile-Leu-Ser-Ser-<sup>30</sup>Thr-Asn-Val-Gly-Ser-<sup>35</sup>Asn-Thr-Tyr-NH<sub>2</sub>

FIGURE 2

**Amylin**

human	KCNTATCATQRLANFLVHSSNFGAILSSSTNVGSNTY-NH <sub>2</sub>
cat	-----IR---L---P-----
dog	-----RT---L---P-----
rat	-----R---L-PV-PP-----
mouse	-----R---L-PV-PP-----
hamster	-----N--L-PV--P-----
guinea pig	-----T---R--H-L--A-LP-D-----

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**FIGURE 3**

<sup>1</sup>A<sub>1</sub>-X-Asn-Thr-<sup>5</sup>Ala-Thr-Y-Ala-Thr-<sup>10</sup>Gln-Arg-Leu-  
B<sub>1</sub>-Asn-<sup>15</sup>Phe-Leu-C<sub>1</sub>-D<sub>1</sub>-E<sub>1</sub>-<sup>20</sup>F<sub>1</sub>-G<sub>1</sub>-Asn-H<sub>1</sub>-Gly-<sup>25</sup>I<sub>1</sub>-J<sub>1</sub>-  
Leu-K<sub>1</sub>-L<sub>1</sub>-<sup>30</sup>Thr-M<sub>1</sub>-Val-Gly-Ser-<sup>35</sup>Asn-Thr-Tyr-Z